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Reducing Emissions of Sulfur Dioxide, Nitrogen Oxides, and Mercury from Electric Power Plants

Table 3. Projected Additions of Emissions Control Equipment, 1999-2010 and 1999-2020
(Gigawatts)

Analysis Case	Cumulative Capacity Adding Controls				
	SO_2 Scrubber	Selective Catalytic Reduction (SCR)	Selective Noncatalytic Reduction (SNCR)	Hg Fabric Filter	Hg Spray Cooler
1999-2010					
Reference	8.9	90.9	28.5	0.0	0.0
50-Percent Reduction	47.8	46.6	2.7	45.5	0.0
65-Percent Reduction	42.9	93.8	15.2	60.5	0.3
75-Percent Reduction	61.7	141.7	10.3	57.7	11.9
1999-2020					
Reference	17.5	91.1	46.0	0.0	0.0
50-Percent Reduction	90.0	98.0	14.6	45.5	1.6
65-Percent Reduction	127.3	156.3	55.5	60.5	3.8
75-Percent Reduction	151.5	218.1	43.8	66.9	29.3

Note: The reference case assumes a 19-State summer season NO_x program beginning in 2004. The analysis cases assume the proposed annual programs without the summer limits. SCRs and SNCRs are NO_x removal technologies.
Source: National Energy Modeling System, runs SCENABS.D080301A (Reference), RENC5012.D081701B (50-Percent Reduction), RENC6512.D081701B (65-Percent Reduction), and RENC75.D081701B (75-Percent Reduction).